



# StarMesh

## Metallic filter elements



StarMesh filter cartridges are provided with a stainless steel wire mesh filter media available in several micron ratings always with the same pore size accuracy.

StarMesh can stand heavy working conditions as well as strong cleaning procedures such as backwash or treatments with strong chemicals.

Once removed from the housing, one can clean them in an ultrasonic bath, or simply brushing the surface of the wire mesh or by means of a high-pressure jet of water.

The low pressure loss generated in line, make them suitable for liquids with high viscosity.

Stainless steel has a good chemical compatibility with organic solvents and in many versions can accept high temperature; some of the typical StarMesh applications are paint, varnish, and resin filtration; but you can find them also in food & beverage applications.

### Versions

- **PL** - Pleated
- **NP** - Non pleated

### Wire mesh material

- **W** - 304 ss
- **S** - 316 ss

### End-cap material/joint

- **E** - Epoxy resin with stainless steel end-caps
- **G** - Rolled stainless steel end-caps
- **T** - Tin joint with stainless steel end-caps
- **M** - Polypropylene joint with polypropylene end-caps
- **S** - Integrally welded with stainless steel end-caps

### Nominal lengths

- 10" - 20" - 30" - 40"

### Cartridge configurations

- **A1** - Double open ended - flat gaskets
- **C8** - OR 2-222 + capped - flat
- **P8** - OR 2-222 + capped - spear
- **C7** - OR 2-226 & bayonet + capped - flat
- **P7** - OR 2-226 & bayonet + capped - spear

### CARTRIDGE CODE SELECTION

Cartridge version	Wire Mesh material	Micron rating	End-cap joint	Nominal length	Cartridge configuration	Gasket material
Pleated = <b>PL</b> Non pleated = <b>NP</b>	304ss = <b>W</b> 316ss = <b>S</b>	absolute: <b>10A</b> <b>25A</b> nominal: <b>25 100 300</b> <b>40 150 400</b> <b>70 250 750</b>	Epoxy = <b>E</b> Pressed = <b>G</b> Tin = <b>T</b> Polypropylene = <b>M</b> Welded = <b>S</b>	10" = <b>1</b> 20" = <b>2</b> 30" = <b>3</b> 40" = <b>4</b>	DOE = <b>A1</b> OR222/flat = <b>C8</b> OR222/spear = <b>P8</b> OR226/flat = <b>C7</b> OR226/spear = <b>P7</b>	Buna = <b>N</b> Viton = <b>V</b> Silicone = <b>S</b> EPDM = <b>E</b> PTFE = <b>T</b>
<b>PL</b>	<b>W</b>	<b>150</b>	<b>E</b>	<b>1</b>	<b>A1</b>	<b>-</b>

# StarMesh

Table1 - Max working temperature

Cartridge version				
Epoxy	Pressed	Tin joint	Polypropylene	Welded
130°C	300°C	190°C	80°C	400°C

## Main applications

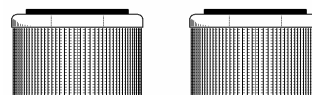
- Aqueous liquids
- Non-aqueous liquids
- Organic & inorganic solvents
- Paint & varnish
- Water treatment – first stage
- Hot fluids
- Chemicals compatible with stainless steel
- Lubricants & mineral oil
- Glucose and saccharose solutions

## Benefits

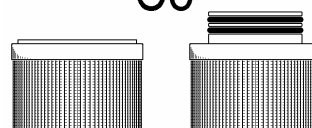
- Re-usable
- Temperature resistant
- Strong structure - can stand high differential pressure
- Very low initial pressure loss
- No fibre release
- Negligible contaminant downloading
- Good chemical compatibility
- Back-washable
- Ultrasonic cleaning
- Wide range of micron ratings

## Standard configurations

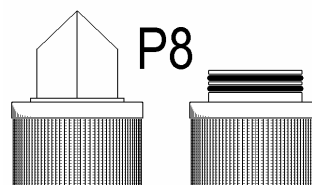
A1



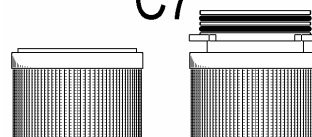
C8



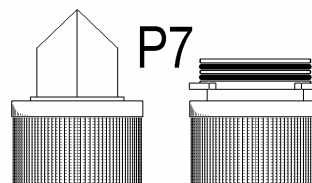
P8



C7

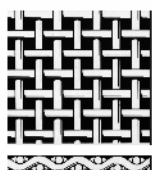


P7

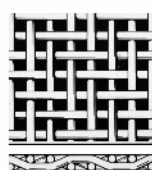


## StarMesh

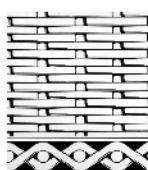
### Typical wire mesh filter media available



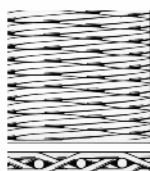
plain weave



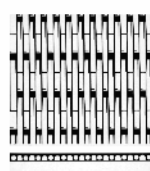
twill weave



plain dutch weave



dutch twill weave



reverse dutch weave

All data correct at time of going to press.

Filterflo reserves the right to modify data without prior notice



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